Amendments to the Specification:

Page 4, delete paragraph [0013] between lines 20-30, and insert the following amended paragraph.

[0013] The fluorescent labeling groups of the probe (I) are preferably, in each case independently, selected from rhodamines, fluoresceins, oxazines, cyanines, ~~Bodipy~~ BODIPY™ dyes, ~~Alexa~~ ALEXA™ dyes, etc. Particular preference is given to oxazines as described in PCT/EP03/02981. Particular preference is given to M and M' being green fluorescent labeling groups such as ~~rhodamine green~~ RHODAMINE GREEN™, tetra-methylrhodamine, rhodamine. 6G, Oregon green, ~~Bodipy~~ BODIPY™ 493 dye and ~~Alexa~~ ALEXA™488 dye whose quantum yield is quenched by electron transfer processes in customary probe constructs.

Page 9, delete paragraph [0030] between lines 2-22, and insert the following amended paragraph.

[0030] The outstanding sensitivity of the detection probes is made clear in that which follows. Two different green probes having identical sequences are used. In the first case, the probe is a probe which is singly labeled 5' with ~~rhodamine green~~ RHODAMINE GREEN™ dye, while, in the second case, the probe is a probe according to the invention which is doubly labeled 5' and 3' with ~~rhodamine green~~ RHODAMINE GREEN™ dye, and which contains a thymidine spacer of in each case 5 nucleotides in length both for the 3' dye and for the 5' dye. The sequence of the detection probe is specific for the PGK-1 sequence (accession number: V00572). In order to determine the lower detection limit, a

green labeled probe and a red labeled probe (likewise PGK-1 specific) are in each case hybridized simultaneously, in solution, to a PGK-1-specific cDNA fragment (length: 969 nt). The hybridization takes place in 6 X SSC, 0.06% NP40 buffer at 60.degree. C. over a period of 8 hours. Different concentrations of the PGK-1 fragment (0.0 nM PGK-1 to 2 nM PGK-1) are used in this connection. The hybridization products are analyzed by means of cross-correlation spectroscopy.